

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTY DKT: VAN EIJK-17

In re application of:

Michael J. T. VAN EIJK

Serial No. 10/560,968

Nat'l Phase Entry: March 19, 2007

For: MEANS AND METHOD FOR THE DETECTION OF TARGET
NUCLEOTIDE SEQUENCES USING LIGATION ASSAYS
WITH IMPROVED OLIGONUCLEOTIDE PROBE PAIRS

Confirmation No. 2423

Art Unit: 1637

Examiner: Joyce TUNG

Washington, D.C.

October 01, 2010

RESPONSE TO "NOTICE TO FILE CORRECTED APPLICATION PAPERS

(Notice of Allowance Mailed)"

Honorable Commissioner for Patents
U.S. Patent and Trademark Office
Randolph Building, **Mail Stop Issue Fee**
POB 1450
Alexandria, VA 22313-1450

Sir:

This paper responds to a *Notice to File Corrected Application Papers* dated September 28, 2010 (the "*Notice*"), and follows a telephone call with the Customer Assistance Unit of the Office of Data Management on Oct. 01, 2010. The Ref # of this telephone call is 1-176453326.

The *Notice* indicated that Applicant must provide missing information on Table 3, pages 73-75.

In the phone call, the undersigned indicated that nothing was missing from Table 3 and that only the right border of the table was partially or fully truncated. The undersigned was informed that it would be sufficient to submit a reformatted version of Table 3, which appears on pages 2-3 of this paper.

REMARKS appear at page 4.

Replacement Table 3:

Table 3. Oligonucleotide Keylock probes for detection of SNPs from Table 1.

SEQ ID #	Keylock nr.	Fragment code	Locus nr.	Length (bp)	5'(PH)-3' sequence
31	02W641	43F	31	124	GCCGCGCCCCGGGCGCCCGG <u>GATGAGTCCTGAGTA</u> <u>ACGCT</u> GGAAGTATTCAGAGTTTAGAGTGAA
32	02W642	43F	31	122	GCCGCGCCCCGGGCGCCCGG <u>GATGAGTCCTGAGTA</u> <u>ACGGGAAGTATTCAGAGTTTAGAGTGAT</u>
33	02W661	43F	31	rev	GTACAATGCAATTTAGAGAACA AAGCGATCCGATCG <u>ATATCGACGTAGCTGCATCGTAATCGGGGAATTGG</u> <u>TACGCAGTC</u> CCGGGCGGGCCCGGGCGCGGC
34	02W643	61F	32	119	CCGCCCCGCGCGCGCCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCAGCAAAGAATTAGACATGGATGAGTT</u>
35	02W644	61F	32	117	CCGCCCCGCGCGCGCCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCCAAAGATTTAGACATGGAGGAGTC</u>
36	02W662	61F	32	rev	CTTAACACGTCCAGACAAGAGGCCCATGTTCGACGT <u>AGATCCGTATAGCACTGAGTCGGGAATTGGTACGC</u> <u>AGTC</u> CGCGGGCGCGCGGGCGGGCGG
37	02W645	64F	33	114	CCCGCGCCGCGGGCGCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCCT</u> AGTTTGAGCAGTTTTGAGCTGAA
38	02W646	64F	33	112	CCCGCGCCGCGGGCGCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGTAGTTTGAGCAGTTTTGAGCTGAG</u>
39	02W663	64F	33	rev	TTAACAAGAAAAATCGGTCAGGACTGTACGCATGC <u>TAACGTTACGGACTATCGGGGAATTGGTACGCAGTC</u> CGCGGCGCCCGCGGCGCGGG
40	02W647	75F	34	109	GCCGGCGGGCCCCGGCCGGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCCTTCATATTGATGGTTTTGTTTTGTTA</u>
41	02W648	75F	34	107	GCCGGCGGGCCCCGGCCGGCG <u>GATGAGTCCTGAGTA</u> <u>ACGTTTCATATTGATGGTTTTGTTTTGTTG</u>
42	02W664	75F	34	rev	ACGCTTCTTCCTTGTTGAGAGGGGATGCTCAGGCT <u>ATCGACATGGGGGAATTGGTACGCAGTC</u> CGCCGGCC GGGCCCCGCCGGC
43	02W649	92R	35	104	CGCCGCCGGGCGCGCGGGCC <u>GATGAGTCCTGAGTA</u> <u>ACGCAAGCTTTGCAACAGCAGAAGTGTAT</u>
44	02W650	92R	35	102	CGCCGCCGGGCGCGCGGGCC <u>GATGAGTCCTGAGTA</u> <u>ACGAGCTTTGCAACAGCAGAAGTGTAC</u>

45	02W665	92R	35	rev	<u>CTCTGCAGAGATAGATCATAACCTTCACGTCATGC</u> <u>TGAGCATGGGAATTGGTACGCAGTC</u> GGCCCCGCGCG CCCCGGCGGCG
46	02W651	28R	36	99	CCGGGCGGGCCGGGCCGCCC <u>GATGAGTCCTGAGTA</u> <u>ACGCTCTCTCTTGTGTTGTCAGGAGCA</u>
47	02W652	28R	36	97	CCGGGCGGGCCGGGCCGCCC <u>GATGAGTCCTGAGTA</u> <u>ACGCACTCTTGTGTTGTCAGGAGCT</u>
48	02W666	28R	36	rev	<u>GAACTATAAATTGCTTGCAGGAACCCGCTAACGTT</u> <u>ACGGGGAATTGGTACGCAGTC</u> GGGCGGCCCGGCC GCCCCG
49	02W653	14446E10	40	94	GCCGGCCGCGGCCCGGCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCGATCACTGGCTGGAACCTCTCCC</u>
50	02W654	14446E10	40	92	GCCGGCCGCGGCCCGGCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGATCACTGGCTGGAACCTCTCCG</u>
51	02W667	14446E10	40	rev	<u>AACTCTCAATTTTTCAACCTTCTCTATCATTCGAG</u> <u>GGAATTGGTACGCAGTC</u> CGCGCCGGGCGCGGCCG GC
52	02W655	14447C06	38	89	CCCGCGCGCGGCCCGGCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGCCATGTATGCATGATTGGCGGTCCA</u>
53	02W656	14447C06	38	87	CCCGCGCGCGGCCCGGCCGCG <u>GATGAGTCCTGAGTA</u> <u>ACGATGTATGCATGATTGGCGGTCCG</u>
54	02W668	14447C06	38	rev	<u>TTCTTTTGTATAGCAAGAGCTTGAACGGGGAATT</u> <u>GGTACGCAGTC</u> GCCGGCCGGCGCGCGCGG
55	02W657	14446E01	39	84	GGCGCGCGGCCCGCGCGCCG <u>GATGAGTCCTGAGTA</u> <u>ACGCTGTTGTTCTTGTGTCATCTCCTT</u>
56	02W658	14446E01	39	82	GGCGCGCGGCCCGCGCGCCG <u>GATGAGTCCTGAGTA</u> <u>ACGGTTGTTCTTGTGTCATCTCCTTG</u>
57	02W669	14446E01	39	rev	<u>TCACAAGCTCCCATCGCATCATG</u> <u>GGAATTGGTACG</u> <u>CAGTC</u> CGGCGCGCGGGCCGCGCGCC
58	02W659	14157A04	37	79	GGCGGCCGCCGGGCGGGCCG <u>GATGAGTCCTGAGTA</u> <u>ACGTGCAACAGTTGAATAGAAAGATGT</u>
59	02W660	14157A04	37	77	GGCGGCCGCCGGGCGGGCCG <u>GATGAGTCCTGAGTA</u> <u>ACGCAACAGTTGAATAGAAAGATGC</u>
60	02W670	14157A04	37		<u>ACACGAGCCTCGGATCAATG</u> <u>GGAATTGGTACGCAG</u> <u>TC</u> CGGCCCGCCCGGCGGCCGCG

REMARKS

Replacement Table 3 has been reformatted as to its right and left margins, but is identical in content to original Table 3. No new matter has been introduced.

Applicants believe that they have responded fully to the *Notice* and that the application is now in condition for publication and issue.

Respectfully submitted,

BROWDY AND NEIMARK, P.L.L.C.

Attorneys for Applicant(s)

By /Shmuel Livnat/

Shmuel Livnat

Registration No. 33,949

SL:mee

Telephone No.: (202) 628-5197

Facsimile No. (202) 393-1012

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